

ABSTRACT OF THE DISCLOSURE

A system for increasing the call capacity of an access point in a WLAN that determines whether a maximum total voice path delay would be exceeded if the packetization delay is increased for packets in a call. In the event that the packetization delay can be increased without the total delay exceeding the maximum delay, the disclosed system increases the size of packets used in the call, if all participating devices can process the increased packet size. The maximum delay may be predetermined, and reflect a maximum delay that cannot be exceeded without adversely impacting the voice quality of a call. If the two end points for a call are determined to be physically "local" to each other, packetization delay for the call may be increased based on the assumption that the increased packetization delay will not decrease the voice quality of the call.